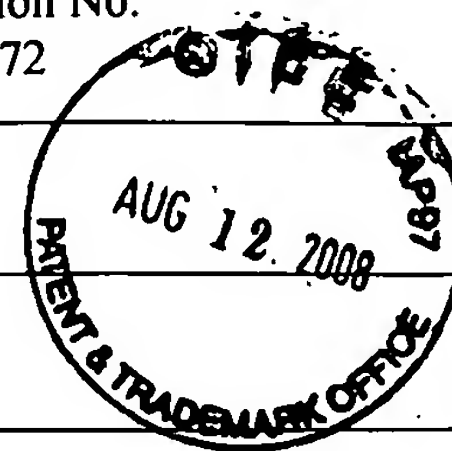


FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P23805Application No.
10/657,172INFORMATION DISCLOSURE STATEMENT
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September 9, 2003Group
2622

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
		8-163408	06/21/96	JAPAN			X	
		63-234937	09/30/88	JAPAN			X	
		8-107512	04/23/96	JAPAN			X	
		2002-44425	02/08/02	JAPAN			X	
		9-275496	10/21/97	JAPAN			X	
		5-7314	01/14/93	JAPAN				
		11-298847	10/29/99	JAPAN				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English language Abstract of JP 8-163408
	2	English language Abstract of JP 8-107512
	3	English language Abstract of JP 2002-44425.
	4	English language Abstract of JP 9-275496
	5	English language Abstract of JP 5-7314
	6	English language Abstract of JP 11-298847

EXAMINER

DATE CONSIDERED

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